

# Lesson 3 Skills Practice

## Convert Unit Rates

Complete. Round to the nearest tenth if necessary.

1.  $660 \text{ ft/min} = \underline{11} \text{ ft/s}$

2.  $25 \text{ mi/h} \approx \underline{36.7} \text{ ft/s}$

3.  $32 \text{ gal/min} = \underline{7,680} \text{ qt/h}$

4.  $425 \text{ ft/h} = \underline{85} \text{ in./min}$

5.  $0.5 \text{ L/s} = \underline{1,800,000} \text{ mL/h}$

6.  $60 \text{ ft/s} \approx \underline{0.7} \text{ mi/min}$

7.  $3.4 \text{ mi/h} = \underline{5.0} \text{ ft/sec}$

8.  $2.1 \text{ yd/min} = \underline{0.1} \text{ ft/s}$

9.  $5.6 \text{ lb/gal} = \underline{89.6} \text{ oz/gal}$

10.  $4 \text{ m/h} = \underline{6.7} \text{ cm/min}$

11.  $42 \text{ cm/s} = \underline{25.2} \text{ m/min}$

12.  $4,500 \text{ ft/h} = \underline{1.3} \text{ ft/s}$

13.  $8 \text{ mi/h} = \underline{704} \text{ ft/min}$

14.  $900 \text{ cm/h} = \underline{15} \text{ cm/min}$

15. **JOGGING** Jarin jogs at a rate of 7.5 miles per hour. How many miles per minute does Jarin jog? **0.125 mi/min**

16. **BUCKETS** Alonzo fills buckets at a rate of 6 gallons per minute. What is the rate in pints per hour? **2,880 pints per hour**